

**Notice of Allowability**

Application No.

09/751,014

Examiner

Ian N. Moore

Applicant(s)

CHASKAR, HEMANT M.

Art Unit

2661

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8-4-2005.
2. ☒ The allowed claim(s) is/are 1-5, 9-11, 13-15, 18, 20, 21 which have been renumbered as 1-14.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

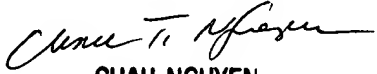
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 8-4-05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 10-31-05.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**CHAU NGUYEN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**

## DETAILED ACTION

### *Drawings*

1. The drawings were received on 12-28-2000. These drawings are accepted by the examiner.

## EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John M. Fleming on October 31, 2005.

The application has been amended as follows:

- **Claim 1, line 17, “, wherein the step of routing further comprises:**  
**transmitting, by the ingress GSN, the labeled data to one of the plurality of intermediate nodes;**  
**handling, by the one of the plurality of intermediate nodes, the labeled data based on the traffic class,**  
**wherein each of the plurality of traffic classes has a unique correspondence to one of a plurality of per-hop behavior (PHB) groups, further comprising a step of assigning, by the ingress GSN, a PHB group of the plurality of PHB groups to the labeled data based on the traffic class,**

**wherein the step of handling further comprises handling the labeled data according to the per-hop behavior group assigned to the labeled data,**

**wherein the plurality of traffic classes comprises conversational, streaming, interactive and background traffic classes, and wherein the conversational class corresponds to an Expedited Forwarding PHB group, the streaming class corresponds to a First Assured Forwarding (AF1) PHB group, the interactive class corresponds to a Second Assured Forwarding (AF2) PHB group and the background class corresponds to a Third Assured Forwarding (AF3) PHB group” has been inserted after “the first delay-differentiated path”**

- **Claims 6-8 are canceled.**
- **Claim 9, line 1, “claim 7” has been replaced with -- claim 1- -**
- **Claim 10, line 20, “, wherein the plurality of traffic classes comprises conversational, streaming, interactive and background traffic classes, and wherein the conversational class corresponds to an Expedited Forwarding PHB group, the streaming class corresponds to a First Assured Forwarding (AF1) PHB group, the interactive class corresponds to a Second Assured Forwarding (AF2) PHB group and the background class corresponds to a Third Assured Forwarding (AF3) PHB group” has been inserted after “the PHB group”.**
- **Claim 12 is canceled.**
- **Claim 18, line 13, “, wherein an ingress GSN routes to an egress GSN, the data through a first delay-differentiated path of the plurality of delay-differentiated paths based on correspondence of the PHB group to the first delay-differentiated path, and**

**wherein the plurality of traffic classes comprises conversational, streaming, interactive and background traffic classes, and wherein the conversational class corresponds to an Expedited Forwarding PHB group, the streaming class corresponds to a First Assured Forwarding (AF1) PHB group, the interactive class corresponds to a Second Assured Forwarding (AF2) PHB group and the background class corresponds to a Third Assured Forwarding (AF3) PHB group ” has been inserted after “the PHB group”**

- **Claim 19 is canceled.**
- **Claim 21, line 7, “and” have been removed after “to provide labeled data;”**
- **Claim 21, line 9, “, handling the portion of the data based on a per-hop behavior (PHB) group, and**

**wherein the plurality of traffic classes comprises conversational, streaming, interactive and background traffic classes, and wherein the conversational class corresponds to an Expedited Forwarding PHB group, the streaming class corresponds to a First Assured Forwarding (AF1) PHB group, the interactive class corresponds to a Second Assured Forwarding (AF2) PHB group and the background class corresponds to a Third Assured Forwarding (AF3) PHB group” has been inserted after “the one delay-differential path”**

#### ***Response to Arguments***

3. Applicant’s arguments, see pages 7-11, filed 8/4/2005, with respect to amended claims 1-5,9-11,13-15,18,20 and 21 have been fully considered and are persuasive. The rejections of claims 1-5,9-11,13-15,18,20 and 21 have been withdrawn.

*Allowable Subject Matter*

4. Claims 1-5,9-11,13-15,18,20 and 21 are allowed.

*Conclusion*

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ian N. Moore whose telephone number is 571-272-3085. The examiner can normally be reached on 9:00 AM- 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 571-272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

INM *jam*  
10/31/05



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